

**GOAL:** HMTs will be able to edit temperature, sky condition, weather, and POP grids using common editing techniques and Smart Tools.

**FOCUS:** Once trained, HMTs will independently change these fields in the first 6 hours (12 hours if agreed to with FIC) after coordinating with the FIC. In later periods, the FIC may request HMT assistance in grid editing but would be expected to describe in detail what he/she wants changed.

### **SKILLS REQUIRED:**

Able to log into GFE

Able to load local and ISC grids into GFE

Able to remove some grids from view in GFE

Able to save edits

Able to publish grids

Able to break a lock

Able to recognize where a grid came from (m, o, MRF, etc)

Able to recognize when he/she has control of a grid versus someone else having control

#### ***All fields***

- able to populate a field with data from a selected model
- able to define an edit area
- able to clear an edit area
- able to select an edit area by elevation
- able to combine two edit areas
- able to use the contour tool to draw contours
- able to run the redefine tool to redistribute contours on the grid to form a smoothed field
- able to use the pencil tool to change a grid
- able to copy a grid to another time period
- able to insert a blank grid and act on it
- able to expand/or contract the time period in which a grid is valid (for example, take a 12 hour NO WX grid and make it valid for 24 hours)

#### ***Temperature grids***

- able to use the Serp Change 3D tool
- know the difference between Serp Change and Serp Change 3D tools
- able to change the temperature at a selected point
- able to adjust temps up or down by a set number of degrees

#### ***POP grids***

- able to go from a blank grid to one which show POPs in a range from zero to 100 in units of one
- able to use the POP from weather tool to create a POP field
- able to overlay the POPs on a weather field to compare coordination
- able to make a POP grid all one number (for example, 40 percent)

### ***Weather grids***

- able to use the WX from POP tool to create the weather field
- able to change a grid from using RW- to R- using a Smart Tool (or vice versa)
- able to insert a snow area into a weather grid
- able to combine isolated thunderstorms with scattered showers
- able to depict valley fog
- able to change a grid with weather to one which is NO WX everywhere
- able to change from light rain to moderate rain

### ***Sky grids***

- similar skills as those for POPs (no Smart Tools yet)

### ***ISC grids***

- able to look at ISC grids and recognize places where STO may want to make some grid changes to STO grids

### **POSSIBLE FUTURE PLANS:**

Able to run Smart Tools which compare grids for consistency

Able to run ISC software to see how we mesh with other offices

Able to edit RH, QPF, and wind fields

Able to run Smart Tools which create dewpoint, snow amount, and other grids from existing grids

Able to use Smart Tools to develop one-hour temperature grids and edit them as needed

Able to use Smart Tools to derive max and min temperatures from three-hour/one-hour temperature traces

Able to post grids to web

Able to create NOWs from grids

Be able to use other Smart Tools, such as the "up mountain" tool.